| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |
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|                 |  |  |  |  |  |  |  |  |  |  |  |

Application/Control No.

10/728,383 Examiner

Eileen B. O'Hara

Applicant(s)/Patent under Reexamination

PACKHAM ET AL.

Art Unit

1646

| √ | Rejected |
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| = | Allowed  |

- (Through numeral)
Cancelled

Restricted

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| Claim  |          |          |               |          |              |          |            | J              |              | Щ.   |          |          |          |          |  |                         | J                             | _            |          |   | -        |          | J        | ш        |               |          | _             |          |           |
|--|----------|----------|---------------|----------|--------------|----------|------------|----------------|--------------|--|----------|----------|----------|----------|--|-------------------------|-------------------------------|--------------|----------|---|----------|----------|----------|----------|---------------|----------|---------------|----------|-----------|
| 1  | CI       | aim      | Date          |          |              |          |            |                | Claim Date   |  |          |          |          |          |  |                         |                               | CI           |          | Date  |          |          |          |          |               |          |               |          |           |
| \$   | Final    | Original | 4/11/06       |          |              |          |            |                |              |  |          | Final    | Original |          |  |                         |                               |              |          |   |          | Final    | Original |          |               |          |               |          |           |
| \$   103   |          |          | V             |          |              |          |            |                |              |  |          |          |          |          |  |                         |                               |              |          |   |          |          | 101      |          |               |          | $\exists$     | $\top$   | ┪         |
| 104  |          | 2        | ļ             |          |              |          |            |                |              |  |          |          |          |          | $\Box$   |                         |                               |              |          |   |          |          | 102      |          | $\neg$        |          |               | $\top$   | T         |
| 5  |          | B        | L             | <u>_</u> |              |          | <u> </u>   | L              | <u> </u>     |  |          |          |          | Ш        | $\perp$  | $\bot$                  |                               |              |          |   |          |          |          |          |               |          |               |          | $\Box$    |
| 6  |          | 3        | Ļ             | <u> </u> | $oxed{oxed}$ | ┖        | <u> </u>   | ļ              | $\perp$      | _  |          | <u> </u> |          | Ш        | _  | _ _                     | _                             | _            |          | Ш   |          |          |          |          |               |          |               | $\perp$  |           |
| 7         8         107         108         109         100         100         100         100         100         100         100         111         111         111         112         112         112         112         112         112         112         112         112         112         112         112         112         112         112         113         114         114         114         114         115         116         115         116         115         115         116         115         115         115         116         117         117         117         112         117         117         112         112  | -        |          | -             | _        | _            |          | <u> </u>   | ↓_             | 1            | _  | _        |          |          |          | 4  | $\perp$                 | 1                             | _            | _        | Ш   | _        |          |          |          | _             |          | $\dashv$      | L        | _         |
| S  | -        |          | ~             | _        | ┡            | ╀        | ╄          | ╀              | ╄            | ļ  | _        |          |          | $\sqcup$ | 4  | -                       | 4                             | <u> </u>     | _        | Щ   | 4        | <u> </u> | 106      | $\sqcup$ | 4             | _        | _             | _        | $\perp$   |
| 10   | -        |          |               | -        | ⊢            | ╄        | ┞-         | ┢              | ├-           | H  |          | <u> </u> |          | $\vdash$ |  |                         | +                             | -            | _        | $\vdash$  | 4        | <u> </u> |          |          | 4             | 4        | 4             | 4        | 4         |
| 10   | -        |          | _             | -        | ⊢            | ╁        | ├          | ╁              | -            | $\vdash$   | _        | -        | 58       | H        |  |                         | +-                            |              |          |   | $\dashv$ | -        |          | $\vdash$ | $\rightarrow$ | $\dashv$ | -             | +        | $\dashv$  |
| 11   | -        |          | -             | _        |              | ╁        | <u> </u>   | ⊢              | ┼            | $\vdash$   |          | -        |          | $\vdash$ | +  |                         | +-                            | -            |          | $\vdash$  | $\dashv$ | -        |          | $\dashv$ | 4             | $\dashv$ | +             |          | +         |
| 12   | $\vdash$ |          | -             |          | ├            | ╁        | ┢          | ╁              | ╁            | ╁  | -1       | -        |          | $\vdash$ | $\dashv$                                       | +                       | +                             | -            | Н        |   | $\dashv$ |          |          | -+       | -             | $\dashv$ | +             | +        | $\dashv$  |
| 13   | $\vdash$ |          | -             |          | 1-           | ╁        | ╁╴         | ╁╴             | +            | <del>                                     </del> | $\dashv$ | $\vdash$ |          |          | +  | +                       | +                             | <del> </del> | Н        | $\vdash$  | $\dashv$ |          |          | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$      | +        | ┥         |
| 14   |          |          |               |          |              | ┢        |            | H              |              | $\vdash$   | $\dashv$ |          |          | $\vdash$ | +  | +                       | ╁╴                            | H            | Н        | $\vdash$  | $\dashv$ |          |          | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$      | +        | ┪         |
| 15   |          |          |               |          |              | 1        | T          | t              | T            | $\vdash$   | $\dashv$ |          |          | $\vdash$ | 十  | $\top$                  | t                             | <b>-</b>     | Н        |   | ┪        | <b> </b> |          | $\vdash$ | +             | $\dashv$ | $\dashv$      | $\dashv$ | +         |
| 16   |          |          |               |          | Т            | Т        | <u> </u>   | T              | T            |  | $\neg$   |          |          | H        | 7  |                         | +                             | ┢            | Н        | $\vdash$  | 7        |          |          | $\dashv$ | $\dashv$      | ᅱ        | $\dashv$      | $\dashv$ | 7         |
| 17   |          |          |               | Г        |              |          | T          |                |              | $\vdash$   | $\neg$   |          |          | П        | T  |                         | 丁                             | $\vdash$     |          |   | ٦        |          |          | $\neg$   | _             | $\neg$   | 一             | $\dashv$ | 7         |
| 18   |          |          |               |          |              |          | П          |                |              |  | ヿ        |          |          | $\Box$   |  |                         | $\top$                        | Т            |          | $\Box$  | 1        |          |          |          | $\dashv$      | 7        | ヿ             | $\neg$   | ✝         |
| 19   |          |          |               | /        |              |          |            |                |              |  |          |          |          | П        |  | $\top$                  | $\top$                        |              |          | $\Box$  | 7        |          | 118      |          | ヿ             | ヿ        | $\neg$        | 十        | 7         |
| 121  |          |          | ✓             |          |              |          |            |                |              |  |          |          | 69       |          |  |                         | Γ                             |              |          | $\Box$  | ٦        |          |          | $\Box$   | $\neg$        |          | $\neg$        | $\top$   | ヿ         |
| 121  |          |          |               |          |              |          |            |                |              |  |          |          |          |          |  |                         |                               | П            |          |   | 7        |          | 120      |          | $\neg$        | $\neg$   | $\neg$        | $\neg$   | 7         |
| 123  |          |          |               |          |              |          |            |                |              |  |          |          |          |          |  |                         |                               |              |          |   |          |          | 121      |          | $\neg$        | T        | $\neg$        | $\top$   | T         |
| 74   |          |          | Ш             | 1        | <u> </u>     | <u> </u> |            | 乚              | L            | Ш  |          |          | 72       |          |  |                         |                               |              |          |   |          |          |          |          |               |          |               | $\Box$   | Т         |
| 75   |          |          | Ц,            | _        | <u> </u>     | _        | _          | ╙              | $oxed{oxed}$ | L  | _        | L        |          |          | $\perp$  |                         |                               | L            |          |   |          |          |          |          |               |          |               |          | $\Box$    |
| Tell   |          | 24       | Y             |          |              | _        | _          |                | <u> </u>     | Щ  |          |          |          |          | _  |                         | 1_                            |              |          |   |          |          | 124      |          | $\perp$       |          |               |          | $\Box$    |
| 127  |          |          | L.,           | _        |              | _        | <u> </u>   | _              | ــــــ       |  |          |          | 75       | $\sqcup$ |  | ᆚ                       | ╀                             | L            |          |   | _        | <u> </u> | 125      |          | _             | $\perp$  | $\perp$       | $\perp$  |           |
| 28       78       128         29       29       29         30       30       30         31       32       32         32       33       34         33       34       35         36       36       37         38       38       38         39       39       39         40       39       39         41       30       30         41       30       30         41       30       30         42       30       30         43       30       30         44       30       30         44       40       30         44       40       30         44       40       30         44       40       30         44       41       42         43       30       31         44       44       45         45       46       46         46       47       48         48       49       49   |          |          | ×             | _        |              | _        | <u> </u>   | <u> </u>       |              | Щ  | _        |          |          | Ш        | _  |                         | $oldsymbol{oldsymbol{\perp}}$ | <u> </u>     |          |   | _        |          | 126      |          | _             | _        | $\perp$       | $\perp$  |           |
| Test   | -        |          | Н             | _        |              | <b>—</b> | -          | <del> </del> _ | ├            | Ш  | _        | ļ        |          | $\vdash$ | 4  | - -                     | $oldsymbol{\perp}$            | _            |          | $\perp$   | 4        | <u> </u> |          |          | $\perp$       | $\dashv$ | $\dashv$      | _        | 4         |
| 30   \forall   |          |          | Н             |          | <u> </u>     | ├-       | ┞          | ┞              |              |  | _        |          | 78       | $\vdash$ | 4  | _                       | ļ                             | <u> </u>     |          |   | 4        |          | 128      |          | _             |          | ightharpoonup | $\dashv$ | 4         |
| St   |          |          | $H_{\prime}$  | <u> </u> | <u> </u>     | ⊢        | <b>!</b> — | ┞              | <b>├</b>     | Н  | -        |          |          | $\dashv$ | +  | -                       | _                             | _            | Ш        |   | _        |          | 129      | $\perp$  | _             | _        | 4             | 4        | 4         |
| 32   | <b>—</b> |          | Y             | _        |              | <u> </u> | ├_         | <del> </del>   | ╀            | $\vdash$   | -        | -        |          | 4        | +  | -                       | ╄                             | <u> </u>     |          |   | _        |          |          | _        | 4             | _        | _             | _        | 4         |
| 33   N   |          |          |               | _        | ⊢            | -        | _          |                | ┝            | Н  | _        |          |          | $\dashv$ | +  | _                       | +-                            | $\vdash$     |          | -   | -        | <u> </u> | 131      | -        | 4             |          | $\dashv$      | _        | 4         |
| 34   |          |          |               |          | _            | ╁        | ⊢          | ╁╌             | ╁            |  |          |          |          | $\vdash$ |  |                         | ╀                             | $\vdash$     | -        | -   | -        |          |          | $\dashv$ |               | -        | $\dashv$      | +        | $\dashv$  |
| 35   4   |          |          | ۲             |          |              | ┢        | -          | ⊢              | ╁            |  | $\dashv$ |          |          |          | +  | +                       | ╁╌                            | H            |          | +   | -        |          |          |          | +             | -        | $\dashv$      |          | +         |
| 36   7   86   136   137   137   138   139   140   141   142   142   143   144   145   145   146   147   148   149   99   149 | _        |          | Н.            |          |              | H        | ┢          | ┢╾             | ┢            | Н  | -        | -        |          | -        | ╅  | -                       | ╁                             | Н            | $\dashv$ | -   | $\dashv$ |          |          | +        | +             | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$  |
| 37   | -        |          | 7             |          |              | $\vdash$ | -          |                | ╁            | Н  | $\dashv$ |          |          | -        | ╁  | $\dashv$                | ╁                             | Н            | $\dashv$ | -   | $\dashv$ |          |          | $\dashv$ | +             | -        | +             | -+       | +         |
| 38   |          |          | -             | _        | _            |          | -          | $\vdash$       | ╁            | Н  | $\dashv$ | -        |          | $\dashv$ | +  | ┰                       | ╁╌                            | Н            | -        | -   | -        |          |          | +        | $\dashv$      | -        | $\dashv$      | +        | +         |
| 89   |          |          | $\overline{}$ |          | $\vdash$     | $\vdash$ | $\vdash$   |                | 1            | Н  | $\dashv$ | -        |          | -        | $\dashv$                                       | $\dashv$                | ╁                             | $\vdash$     |          | $\dashv$  | ┨        | _        |          |          | $\dashv$      |          | $\dashv$      |          | +         |
| 40   |          |          | _             |          | _            | $\vdash$ |            | T              | 1            | Н  | _        |          |          |          | $\dashv$                                       | +                       | ╁                             | Н            |          | +   | ᅱ        | $\vdash$ |          | $\dashv$ | 十             | -        | $\dashv$      | +        | +         |
| 41 N     91       42 N     92       43 N     93       44 Y     94       95     143       46     96       47     97       48     98       49     99   |          | 40       |               |          |              | Г        |            | $\vdash$       |              |  | ᅱ        |          |          | $\dashv$ | $\dashv$                                       | _                       | 1                             | H            |          | +   | ┪        | -        |          | $\dashv$ | ╅             | $\dashv$ | $\dashv$      | +        | +         |
| 42   N   92   142   143   144   145   145   146   147   148   148   49   99   149  |          | 41       | 7             |          | _            |          | $\vdash$   |                | T            | П  | ╡        |          |          |          | +  | 十                       | +                             |              | $\dashv$ | _   | ┥.       | -        |          | +        | ╅             | ┪        | $\dashv$      | +        | 十         |
| 44   7   94   144   145   145   146   146   147   148   148   149   99   149 |          | 42       | N             |          |              |          | Г          | Г              | Π            | П  | $\dashv$ |          |          | $\dashv$ | 十  | 十                       | $\vdash$                      | П            |          | $\dashv$  | ┨        |          |          | $\dashv$ | $\dashv$      | $\dashv$ | 十             | 十        | +         |
| 44   7   94   144   145   145   146   146   147   148   148   149   99   149 |          |          | Ŋ             |          |              |          |            |                | Π            |  | $\neg$   |          |          |          | $\top$   | $\top$                  |                               | М            | $\neg$   |   | 7        |          | 143      | 十        | _             | $\dashv$ | 十             | 十        | $\dagger$ |
| 45 √     95       46     96       47     97       48     98       49     99  |          |          | $\checkmark$  |          |              |          |            |                |              |  |          |          | 94       |          | 1  | 1                       | Τ                             | П            | $\Box$   | _   | ٦        |          |          | $\top$   | $\dashv$      | $\dashv$ | 十             | 十        | 十         |
| 46   |          |          |               |          |              |          |            |                |              |  |          |          | 95       |          |  |                         | 1                             | П            | 一        |   | ٦        |          | 145      | 7        | 十             | 7        | 十             | $\top$   | 十         |
| 47   |          |          |               |          |              |          |            |                |              |  |          |          | 96       |          |  |                         |                               |              |          |   |          |          | 146      |          | 寸             | ヿ        | $\top$        | $\top$   | $\top$    |
| 48 98 148 149 99 149 149 149 149 149 149 149 149   |          |          |               |          |              |          |            |                |              |  |          |          | 97       |          |  |                         |                               |              |          |   |          |          | 147      |          |               |          | $\neg$        | $\top$   | $\top$    |
| 49 99 149 149  |          |          |               |          |              |          |            |                |              |  |          |          |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $oldsymbol{\mathbb{L}}$ |                               |              |          |   |          |          | 148      |          |               | Ţ        |               | ╛        | T         |
| 50   |          |          |               |          | _            | $\Box$   |            | <u> </u>       |              | Ш  |          |          |          | $\prod$  | $\perp$  |                         |                               |              |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |          | 149      |          | Ι             |          |               | I        | I         |
|  |          | 50       |               |          |              | Ш        |            | L_             | <u></u>      | LI   |          |          | 100      |          |  | $\perp$                 |                               |              | $\Box$   |   | ┙        |          | 150      |          |               | $\perp$  | $\perp$       | $\bot$   | $\perp$   |